

# M 5.4, 98 km E of Shangri-La, China

Origin Time: 2022-01-02 07:02:14 UTC (Sun 15:02:14 local)

Location: 27.8098° N 100.7105° E Depth: 38.4 km

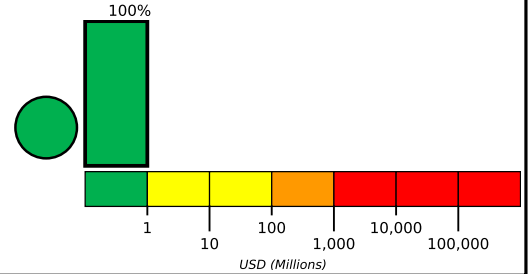
Created: 2 hours, 3 minutes after earthquake

## Estimated Fatalities



Green alert for shaking-related fatalities and economic losses. There is a low likelihood of casualties and damage.

## Estimated Economic Losses

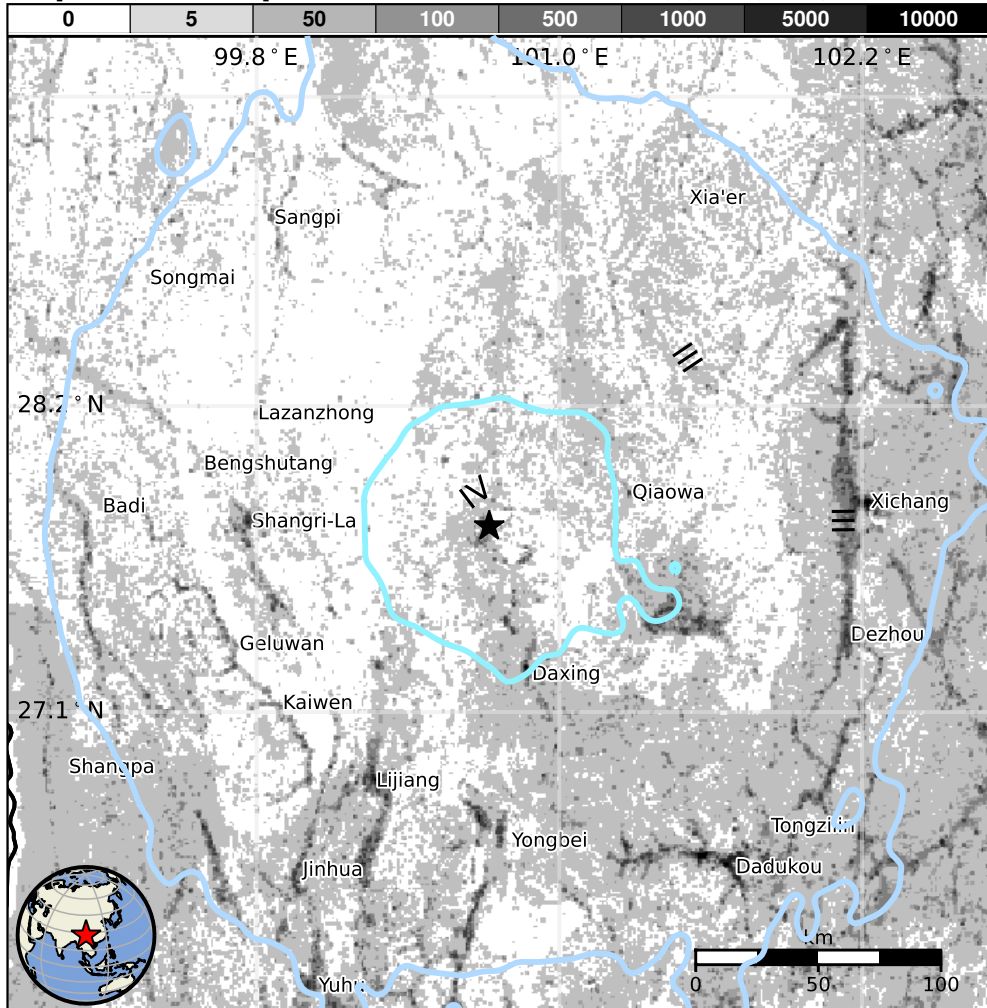


## Estimated Population Exposed to Earthquake Shaking

ESTIMATED POPULATION EXPOSURE (k=x1000)		—*	7,994k	450k	3k	0	0	0	0	0
ESTIMATED MODIFIED MERCALLI INTENSITY		I	II-III	IV	V	VI	VII	VIII	IX	X+
PERCEIVED SHAKING		Not felt	Weak	Light	Moderate	Strong	Very Strong	Severe	Violent	Extreme
POTENTIAL DAMAGE	Resistant Structures	None	None	None	V. Light	Light	Moderate	Mod./Heavy	Heavy	V. Heavy
	Vulnerable Structures	None	None	None	Light	Moderate	Mod./Heavy	Heavy	V. Heavy	V. Heavy

\*Estimated exposure only includes population within the map area.

## Population Exposure



## Structures

Overall, the population in this region resides in structures that are vulnerable to earthquake shaking, though resistant structures exist. The predominant vulnerable building types are adobe block and unreinforced brick with mud construction.

## Historical Earthquakes

Date (UTC)	Dist. (km)	Mag.	Max MMI(#)	Shaking Deaths
2006-08-25	338	5.0	VI(67k)	1
2000-08-21	277	4.9	VI(60k)	1
1973-02-06	395	7.7	IX(31k)	2k

Recent earthquakes in this area have caused secondary hazards such as landslides that might have contributed to losses.

## Selected City Exposure

from GeoNames.org

MMI	City	Population
IV	Daxing	<1k
IV	Zhongcun	<1k
IV	Shangri-La	130k
III	Qiaowa	<1k
III	Lijiang	1,138k
III	Yanjing	<1k
III	Jiantang	<1k
III	Huangshan	<1k
III	Shuijia	<1k
III	Xichang	127k
III	Dadukou	462k

PAGER content is automatically generated, and only considers losses due to structural damage. Limitations of input data, shaking estimates, and loss models may add uncertainty.

<https://earthquake.usgs.gov/earthquakes/eventpage/us7000g8fk#pager>

bold cities appear on map.

(k = x1000)

Event ID: us7000g8fk